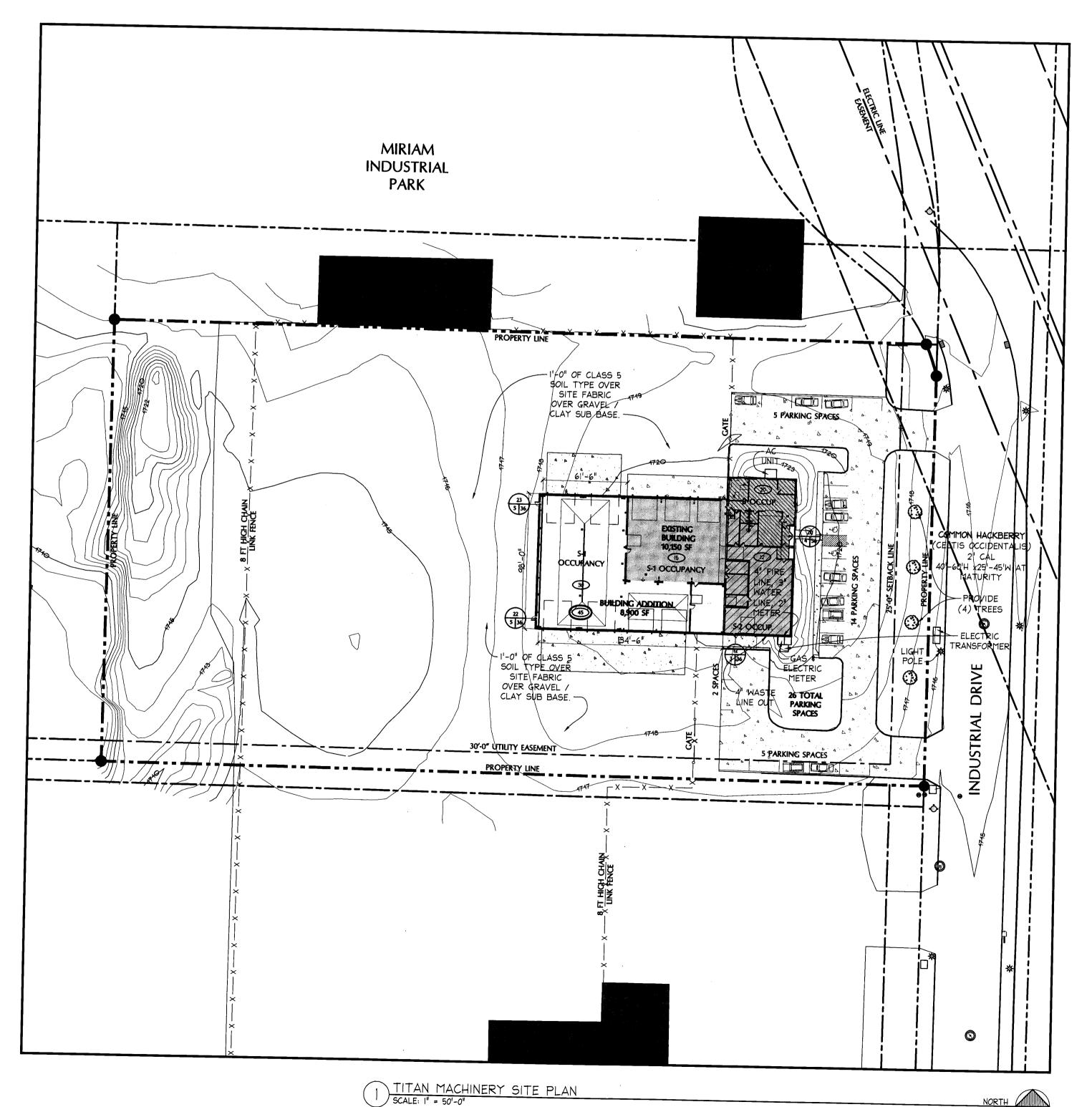
### CODE SUMMARY:

PROJECT DESCRIPTION:	224	ADDITION TO EX SED AS A MOTOR AUTOMATIC FIRE	. VEHICLE REP	AIR (+ARA(+F TUF	DING. THE EXISTING BUILDING EXISTING BUILDING DOES N
JURISDICTION:	CITY OF	BISMARCK		<b>-</b> ( tel 1,	
OCCUPANCY CLASSIFICATION:	INTERNATIONAL BUILDING CODE 2009  (S-1) MODERATE-HAZARD STORAGE				
CONSTRUCTION TYPE:		, SPRINKLERED	STORAGE		
NUMBER OF STORIES:	ONE W/ MEZZANINE				
TABULAR BUILDING AREA:	17,500 SF (TABLE 503)				
FRONTAGE INCREASE:	(PER 506.2)				
	BUILDING BUILDING (F) = 600	,	T FRONTS ON	A PUBLIC WAY OF	R OPEN SPACE HAVING 20'
	NORTH SOUTH EAST	OPEN SPACE (M 185' (30' MAX) 185' (30' MAX) 114' (30' MAX)	31% OF F 31% OF F 19% OF F	PERIMETER 9.3' PERIMETER 9.3' PERIMETER 5.7'	
		114' (30' MAX)  AVERAGE WIDTH  00/600-0.25) 30/		PERIMETER 5.7' 30'	
		.75) 1	50		
BUILDING ALLOWABLE AREA:		SECTION 506)			
	Aa = {At Aa = {17, Aa = 17,	: + {At x   f} + {A ,500 + {17,500 x 500 + 13,125 + 5;	75%} + {17,500	x 300%}}	
ACTUAL BUILDING AREA	Aa = 83,				
ACTUAL BUILDING AREA: XCCUPANCY SEPARATION:	·	050 SF			
TRE AREA SEPARATION:	AS PER TABLE 508.4, BUSINESS (B) AND MODERATE HAZARD STORAGE (S-1) OCCUPANCIES DO NOT REQUIRE SEPARATION. MODERATE HAZARD STORAGE (S-1) AND LOW HAZARD STORAGE (S-2) DO NOT REQUIRE SEPARATION.  AS PER SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAN MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAD MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAD MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAD MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAD MADE TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAD MAD TO THE SECTION 903.2.4. A CROWN C. L. SIDE ADEA MAD MAD TO THE SECTION 903.2.4. A CROWN C. L. SIDE PROTOTO				
	AS PER SECTION 903.2.9.1, A GROUP S-1 FIRE AREA MAY NOT EXCEED 12,000 SF WITHOUT PROVIDING AN AUTOMATIC SPRINKLER SYSTEM. THE S-1 FIRE AREA IS 12,970 SF WHICH REQUIRES AN AUTOMATIC SPRINKLER SYSTEM OR PORTIONS OF THE BUILDING TO BE SEPARATED INTO FIRE AREAS PER SECTION 901.7. A 3 HOUR FIRE-REISISTANCE RATING SHALL BE REQUIRED ACCORDING TO TABLE 707.3.9 FOR THE SEPARATION OF AN S-1 OCCUPANCY INTO DIFFERENT FIRE AREAS.				
	AN OWNER PROVIDED SPRINKLER WILL BE PROVIDED IN LIEU OF DIVIDING THE S-I OCCUPANCY INTO DIFFERENT FIRE AREAS.				
IRE RESISTANCE REQUIREMENTS:	FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE PER TABLE 602. NO RATINGS ARE REQUIRED BECAUSE FIRE SEPARATION DISTANCES ARE GREATER THAN 30 FEET ON ALL SIDES.				
PER TABLE 602)	FIRE SERADATION DISTANCE (FIRE				IG (HOURS)
	X < 5'			2	
	5' <u> </u>			1	
PED TABLE (OL)	X ≥ 30'			0	
PER TABLE 601)	BUILDING ELEMENT PROTECTION (TYPE IIIB)  RATING (HOURS)				
	BEARING WA BEARING WA NONBEARING	RUCTURAL FRAM ALLS (EXTERIOR) ALLS (INTERIOR) WALLS AND PAR WALLS AND PAR TRUCTION	RTITIONS (EXT	0 2 0 ERIOR) 0 ERIOR) 0 0	
CCUPANT LOAD:	B OCCUPANCY (EXISTING): 100 GROSS SF/OCCUPANT = 1,910 SF / 100 = 20 OCCUPANTS				
	S-1 OCCUPANCY (EXISTING): 300 GROSS SF/OCCUPANT = 4,320 SF / = 15 OCCUPAN				
	300 GR <i>O</i> SS S	NCY (EXISTING): BF/OCCUPANT	= 3,390 SF / 300 = 12 OCCUPANTS		
	S-1 OCCUPANCY (ADDITION): 300 GROSS SF/OCCUPANT = 8,900 SF / 300 = 30 OCCUPANTS  TOTAL OCCUPANTS = 77 OCCUPANTS			PANTS	
IMBING FIXTURES:					
	REQUIRED FO	R EACH SEX PER	2902.2. ONE	(1) SERVICE SINK	VATORIES WILL BE WILL ALSO BE REQUIRED.
		MALE		FEMALE	
	(BUSINESS) (STORAGE)	10/25 57/100 REQUIRED	= 0.4 = 0.57 = 0.97 = 1	10/25 57/100	= 0.4 = 0.57 = 0.97
		PROVIDED	= 1 = 4	REQUIRED PROVIDED	= 1 = 1
	<u>LAVATORIES</u>				
		MALE		FEMALE	
	(BUSINESS) (STORAGE)	10/40 57/100	= 0.25 = 0.57	10/40 57/100	= 0.28 = 0.57
	•	REQUIRED	= 0.82 = 1	REQUIRED	= 0.82
	PROVIDED = 2 PROVIDED = 1				
	DRINKING FOUN	NTAIN			
	(BUSINESS) (STORAGE)	20/100 57/1000 REQUIRED	= 0.2 = 0.06 = 0.26 = 1		
		PROVIDED	= 2		
	SERVICE SINK				
	SERVICE SINK (BUSINESS) (STORAGE)	REQUIRED PROVIDED REQUIRED	=   =		

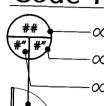
PARKING: PARKING REQUIREMENTS = (1) SPACE PER EMPLOYEE ON LARGEST SHIFT = 14 FULL-TIME EMPLOYEES = 14 PARKING SPACES BUSINESS AREA = (1) SPACE PER 250 SF OF OFFICE SPACE = 2,200 SF = 2,200 SF / 250 SF = 9 PARKING SPACES COMPANY VEHICLES = 3 VEHICLES TOTAL REQUIRED PARKING = 14 + 9 + 3 = 26 PARKING SPACES AS PER TABLE 1106.1, 26 PARKING SPACES WILL REQUIRE A MINIMUM OF TWO ACCESSIBLE





510 North 4th Avenue Fargo, ND 58102-4821 501-280-0187• Fax 701-280-9021

## Code Plan Legend:



## OCCUPANTS SERVED BY EXIT 

-- OCCUPANT WIDTH REQUIRED NOTE: THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF 32" PER SECTION 1008.1.1



OCCUPANT LOAD BY ROOM OR AREA CUMULATIVE OCCUPANT LOAD BY

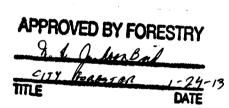
#### BUILDING AREA OCCUPANTS W/ DIRECTION OF TRAVEL

# INDEX OF DRAWINGS

## **Architectural**

A1.0R -Revised Site Plan
-Code Summary
A3.0 -Floor Plan
A5.0 -Exterior Elevations

EACH SET OF DRAWINGS CONTAINS THE ABOVE NOTED SHEETS. IF ANY SHEETS ARE OMITTED CONTACT THE OFFICE OF ZERR BERG ARCHITECTS IMMEDIATELY FOR A REPLACEMENT SET OF DRAWINGS.



APPROVED BY PLANNING

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Architect under the laws of the State of North ie: Brian C. Berg



MACHINERY
BUILDING ADDITION BISMARCK, NORTH DAKOTA

REVISED SITE PLANCODE SUMMARY

Project No: <u>12-041</u> A 1.0 R

Date: <u>January 14, 2013</u>